

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:29:59

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Output Set: N:\CRF3\01032002\I902634.raw

1 <110> APPLICANT: Genentech, Inc.
2 Ashkenazi, Avi
3 Botstein, David
4 Desnoyers, Luc
5 Eaton, Dan L.
6 Ferrara, Napoleone
7 Filvaroff, Ellen
8 Fong, Sherman
9 Gao, Wei-Qiang
10 Gerber, Hanspeter
11 Gerritsen, Mary E.
12 Goddard, A.
13 Godowski, Paul J.
14 Grimaldi, Christopher J.
15 Gurney, Austin L.
16 Hillan, Kenneth, J.
17 Kljavin, Ivar J.
18 Mather, Jennie P.
19 Pan, James
20 Paoni, Nicholas F.
21 Roy, Margaret Ann
22 Stewart, Timothy A.
23 Tuma's, Daniel
24 Williams, P. Mickey
25 Wood, William, I.
26 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
27 Acids Encoding the Same
28 <130> FILE REFERENCE: 10466-14
29 <140> CURRENT APPLICATION NUMBER: 09/902,634
30 <141> CURRENT FILING DATE: 2001-07-10
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32 <151> PRIOR FILING DATE: 2000-09-18
33 <150> PRIOR APPLICATION NUMBER: US 60/143,048
34 <151> PRIOR FILING DATE: 1999-07-07
35 <150> PRIOR APPLICATION NUMBER: US 60/145,698
36 <151> PRIOR FILING DATE: 1999-07-26
37 <150> PRIOR APPLICATION NUMBER: US 60/146,222
38 <151> PRIOR FILING DATE: 1999-07-28
39 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594
40 <151> PRIOR FILING DATE: 1999-09-08
41 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944
42 <151> PRIOR FILING DATE: 1999-09-13
43 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090
44 <151> PRIOR FILING DATE: 1999-09-15
45 <150> PRIOR APPLICATION NUMBER: PCT/US99/21547
46 <151> PRIOR FILING DATE: 1999-09-15
47 <150> PRIOR APPLICATION NUMBER: PCT/US99/23089

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Input Set : N:\Crif3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

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50 <151> PRIOR FILING DATE: 1999-11-29
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74   tggagctccg gctgctctt cccgcagcgc taccgcctat gcgcctgccg 150
75   cgccgggccc cgctggggct cctgccgctt ctgctgctgc tgcgcgccgc 200
76   gccggaggcc gccagaagc cgacgccctg ccaccgggtg cgggggctgg 250
77   tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300
78   ggcgggaaca cggcttggga ggaaaagacg ctgtccaagt acgagtccag 350
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80   tcgaatgcaa tcagatgcta gaggcgcagg aggagcacct ggaggcctgg 450
81   tggtgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
82   gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
83   tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
84   agcggagatg ggagcagaca gggcgacggg tcctgccggt gccacatggg 650
85   gtaccagggc ccgctgtgca ctgactgcat ggacggctac ttcagctcgc 700
86   tccggaacga gacccacagc atctgcacag cctgtgacga gtccctgcaag 750
87   acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
88   ggtgctggac gaggggcgct gtgtggatgt ggacgagtgt gcggccgagc 850
89   cgctccctg cagcgtgctg cagttctgta agaacgcaa cggtccctac 900
90   acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag ggggaaggccc 950
91   aggaaactgt aaagagtgt tctctggcta cgcgagggag cacggacagt 1000
92   gtgcagatgt ggacgagtgc tcaactagcag aaaaaacctg tgtgaggaaa 1050
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94   cggcttcgaa gaaacggaag atgcctgtgt gccgccggca gaggtgaag 1150
95   ccacagaagg agaaagccc acacagctgc cctcccgcga agacctgtaa 1200
96   tgtgccggac ttacccttta aattattcag aaggatgtcc cgtggaaaat 1250
97   gtggccctga ggatgccgtc tcctgcagtg gacagcggcg gggagaggct 1300

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Output Set: N:\CRF3\01032002\I902634.raw

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98 gcctgctctc taacggttga ttctcatttg tcccttaaac agctgcattt 1350
99 cttggttggt cttaaacaga cttgtatat ttgatacagt tctttgtaat 1400
100 aaaattgacc attgtaggta atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
101 aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
102 gcccacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
103 tcacaaattt cacaaataaa gcattttttt cactgcattc tagttgtggt 1600
104 ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
105 cggcgcagca ccatggcctg aaataacctc tgaaagagga acttggttag 1700
106 gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
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108 ctcaattagt cagcaaccca gtttt 1825

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110 <210> SEQ ID NO: 2

111 <211> LENGTH: 353

112 <212> TYPE: PRT

113 <213> ORGANISM: Homo Sapien

114 <400> SEQUENCE: 2

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116 1 5 10 15
117 Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
118 20 25 30
119 Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
120 35 40 45
121 Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp
122 50 55 60
123 Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
124 65 70 75
125 Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
126 80 85 90
127 Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
128 95 100 105
129 Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
130 110 115 120
131 Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
132 125 130 135
133 Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
134 140 145 150
135 Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
136 155 160 165
137 Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
138 170 175 180
139 Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
140 185 190 195
141 Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
142 200 205 210
143 Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
144 215 220 225
145 Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
146 230 235 240
147 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr

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Input Set : N:\Crf3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

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150		260		265		270
151	Pro Gly Asn Cys	Lys Glu Cys Ile Ser	Gly Tyr Ala Arg Glu	His		
152		275		280		285
153	Gly Gln Cys Ala	Asp Val Asp Glu Cys	Ser Leu Ala Glu Lys	Thr		
154		290		295		300
155	Cys Val Arg Lys	Asn Glu Asn Cys Tyr	Asn Thr Pro Gly Ser	Tyr		
156		305		310		315
157	Val Cys Val Cys	Pro Asp Gly Phe Glu	Glu Thr Glu Asp Ala	Cys		
158		320		325		330
159	Val Pro Pro Ala	Glu Ala Glu Ala Thr	Glu Gly Glu Ser Pro	Thr		
160		335		340		345
161	Gln Leu Pro Ser	Arg Glu Asp Leu				
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164 <210> SEQ ID NO: 3

165 <211> LENGTH: 2206

166 <212> TYPE: DNA

167 <213> ORGANISM: Homo Sapien

168 <400> SEQUENCE: 3

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171      cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
172      gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
173      cccggcagcg aggaggtcct gagcagcatg gcccgaggga gcgccttccc 250
174      tgccgcccgcg ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
175      gggcgagggc cgggccgcg caggaggaga gcctgtacct atggatcgat 350
176      gctcaccagg caagagtact cataggattt gaagaagata tcttgattgt 400
177      ttcagagggg aaaatggcac cttttacaca tgatttcaga aaagcgcaac 450
178      agagaatgcc agctattcct gtcaatatcc attccatgaa ttttacctgg 500
179      caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
180      cctggataaa ggcacatcag cagatccaac cgtcaatgtc cctctgctgg 600
181      gaacagtgcc tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
182      ggaaaacagg atgggtggc agcatttgaa gtggatgtga ttgttatgaa 700
183      ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
184      aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
185      tgtaatgaaa gacgcactcg cagtgctcct gatgggttcc acggacctca 850
186      ctgtgagaaa gccctttgta cccacgatg tatgaatggg ggactttgtg 900
187      tgactcctgg tttctgcate tgcccacctg gattctatgg agtgaactgt 950
188      gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
189      ccctggaaaa tgtatttgcc ctccaggact agagggagag cagtgtgaaa 1050
190      tcagcaaatg cccacaaacc tgtcgaaatg gaggtaaatg cattggtaaa 1100
191      agcaaatgta agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
192      tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
193      aatgccaatg tcaagaaggc tggcatggaa gacactgcaa taaaaggtac 1250
194      gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
195      gcacacgcct tcaactaaaa aggccgagga gcggcgggat ccacctgaat 1350
196      ccaattacat ctggtgaact ccgacatctg aaacgtttta agttacacca 1400
197      agttcatagc ctttgttaac ctttcatgtg ttgaatgttc aaataatgtt 1450

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Input Set : N:\CrF3\RULE60\09902634.raw

Output Set: N:\CRF3\01032002\I902634.raw

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198      cttacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
199      actgagctga tatttactct tcctttttaag ttttctaagt acgtctgtag 1550
200      catgatgta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
201      tatgtcaatt gatcaggtta aaattttcag tgtgtagttg gcagatatatt 1650
202      tcaaaaattac aatgcattta tgggtgctgg gggcagggga acatcagaaa 1700
203      gggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg atgggtgcagt 1750
204      taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
205      ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
206      tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
207      ttacactgtg gtagtggcat ttaaaacaata taatatattc taaacacaat 1950
208      gaaataggga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
209      aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
210      tttgtatgta taaaataaag gtgctgcttt agttttttgg aaaaaaaaaa 2100
211      aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggcgc gactctagag 2150
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215 <210> SEQ ID NO: 4

216 <211> LENGTH: 379

217 <212> TYPE: PRT

218 <213> ORGANISM: Homo Sapien

219 <400> SEQUENCE: 4

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223      20          25          30
224      Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
225      35          40          45
226      Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu
227      50          55          60
228      Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln
229      65          70          75
230      Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr
231      80          85          90
232      Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser
233      95          100         105
234      Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn
235      110         115         120
236      Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln
237      125         130         135
238      Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe
239      140         145         150
240      Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu
241      155         160         165
242      Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala
243      170         175         180
244      Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg
245      185         190         195
246      Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu
247      200         205         210

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VERIFICATION SUMMARY

DATE: 01/03/2002

PATENT APPLICATION: US/09/902,634

TIME: 11:30:00

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Output Set: N:\CRF3\01032002\I902634.raw

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L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
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L:3339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131
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